

SITUATION REPORT NO. 5
INCIDENT NO. 2003-122
DATE: December 19, 2003 Time: 11:30 a.m.

TO: Governor John Hoeven
State Capitol
Bismarck, ND 58505

1. NATURE OF DISASTER: Serious Water Distribution Problems – Standing Rock Sioux Indian Reservation officials report that sediment, resulting from low Oahe Reservoir levels, is plugging the Fort Yates water treatment plant's intake system, impacting water users in Sioux County and the reservation, including the communities of Fort Yates, Porcupine, Solen and Cannonball.
2. DEATHS AND INJURIES: No deaths or injuries have been reported.
3. DAMAGES: No change from previous reports.
4. RESOURCES:
LOCAL: No change from previous reports.
STATE: No change from previous reports.
FEDERAL: No change from previous reports.
5. VOLUNTEER ACTION: No change from previous reports.
6. MAJOR ACTIONS: On Thursday, December 18, representatives of the U.S. Bureau of Reclamation (BOR) provided a progress report on efforts to develop a reliable alternate water supply intake system for the Fort Yates water treatment plant. The following actions were discussed:
 - Representatives from BOR's regional and Denver offices conducted a site visit to determine best course of action.
 - Because swift current and ice conditions have made diving operations on the river too dangerous, officials decided to conduct shore-based corrective measures only.
 - Sheet pilings constructed near the Missouri River banks have been utilized to create a protective sump area for placement of the submersible pumps.
 - The main 12-inch pipeline, which is buried below the frost line and is providing water to the treatment plant, is now utilizing a submersible pump.

- Electrical cable specifically used for submersible application is still on order; however, electrical cable utilized to operate the submersible pump has proven to be adequate for current operations.
- The access road elevation is 1,586 feet; maximum water level elevation on the river is forecast at 1,589 feet in late spring but it is not expected to rise to that height unless heavy runoff occurs from large amounts of snow. The U.S. Army Corps of Engineers expects a maximum elevation of 1,583 feet and will give advance notice if elevations are forecast to rise above that level to permit elevation of the access road.

7. ASSISTANCE NEEDED: As indicated.

8. OUTSIDE HELP ON SCENE: No change from previous reports.

9. OTHER INFORMATION: The N.D. Division of Emergency Management's Situation Reports are posted on the Division's Internet home page. The address is <http://www.state.nd.us/dem>.

Douglas C. Friez, State Director